SIEMENS

LITHOSTAR Multiline

SP

System

Repair instructions

Ultrasound Localization

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English

Print No.: RXL2-120.091.10.03.02

Doc. Gen. Date: 01.02

Replaces: RXL2-120.091.10.02.02

Chapter	Page	Revision
0	all	03
1	all	03
2	all	03
3	all	03
4	all	03
5	all	03
6	all	03

Document revision level

The document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

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Ultrasound option Item No. 37 82 351 J1042

Name	Item No.	Brief remarks on replacement	Detailed Information Chap/page
US tableside control	37 82 864 J1042	Replace complete unit	n.a.
US probe	30 92 736 J1035	Install with adjustment tube; check isocenter; target; image tilt	3-1
US probe compartment	30 92 900 J1035	Check isocenter; target; image tilt	2-1
Rear box SONOLINE Prima	Refer to spare parts list		4-1
Additional transducer	Refer to spare parts list U2-040.081.01	Plug & Plug Test analog CDA probe	1-1
Cone cap	30 92 207 J1035	Refer to the service instructions for the shock wave system	n.a.

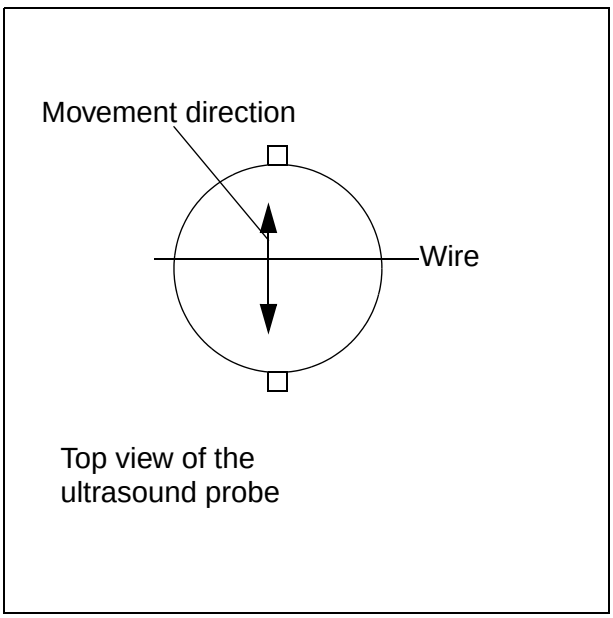


Fig. 1

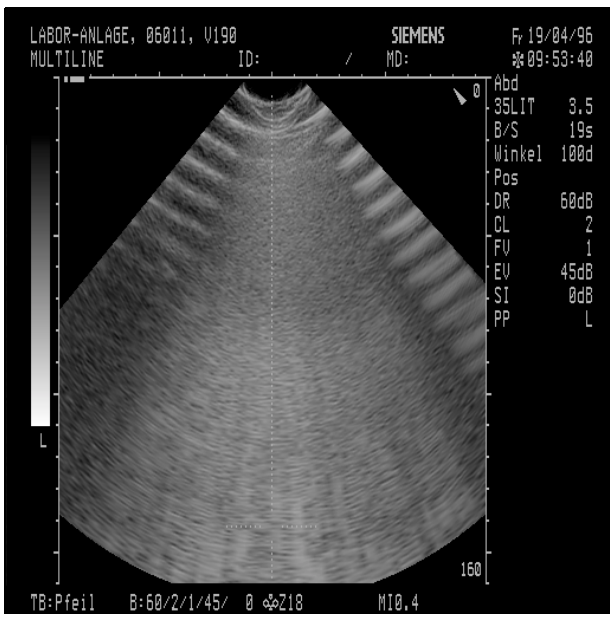


Fig. 2

Checking the CDA probe

- Apply some ultrasound gel to the CDA probe.
- Move an open paper clip or piece of wire over the probe in the cutplane (indicated by the two marks on the probe) (Fig. 1).
- A reflection (white shadow) must move over the ultrasound image (Fig. 2).

1 - 2 Adjusting the ultrasound image SONOLINE Prima

Preliminary steps

NOTE	**The isocenter must be checked each time the ultrasound probe is replaced.**

- Move the shock wave head to the coupling position.
- Remove the ultrasound probe from the shock wave head.
- Fill the isocenter phantom with water, unless this has already been done.
- Couple the isocenter phantom to the shock wave head.

- With radiation ON, check whether the isocenter is positioned correctly.
  Proceed according to instructions RXL2-120.071.01... if there is a deviation.
- Apply some polygel to the ultrasound probe and insert it into the shock wave head.
- Read out the **S**oftware **V**ersion, i. e. enter "VERSION# = z " (this entry is not visible on the monitor).
- Enter the following basic settings on the ultrasound unit:

Value SV 2.2.0	**Value SV 1. 9. 0**	**Setting with:**	**German**	**English**	**French**	**Spanish**
- 24 dB (C/Fig. 3)		(1/Fig. 5)	SI	Output	Sortie	Salida
15 dB (B/Fig. 3)		(6/Fig. 5)	EV	Gain	Gain	Ampl
17d ≙ 50 Hz/ 18d ≙ 60 Hz (A/Fig. 3)	12d ≙ 50 Hz/ 11d ≙ 60 Hz (A/Fig. 3)	Set cursor (10/Fig. 5) to FPS (FPS has a white background) and then press (2/Fig. 5)	B/S	FPS	IPS	CPS
160 (D/Fig. 3)		(9/Fig. 5)	-------	-------	-------	-------
60 dB (E/Fig. 3)		(12/Fig. 5)	DR	Dyn Rng	DR	Cam Din

- Move the slide controller as indicated by the arrow (4/Fig. 5).
- Select the ultrasound probe at the shock wave head (7/Fig. 5).
- Move the ultrasound probe back completely. (In this case, the "energy minus" key and the "cone longitudinal back" key must be activated simultaneously.)
- Set TR = 0° ± 0.5°.

Checking the target

- Select the cross hairs, unless already selected (2/Fig. 5). Refer to Chapter 5 if this is not possible.
- Press the key shown in (3/Fig. 5) and the key shown in (2/Fig. 5).
- Move to the center of the cross hairs using the cursor (10/Fig. 5).
  A value of 136 ± 0.5 mm must appear in the display (F/Fig. 4).
- Correct the value according to the instructions "Setting software parameters " RXL2-120.032. ..... if necessary.

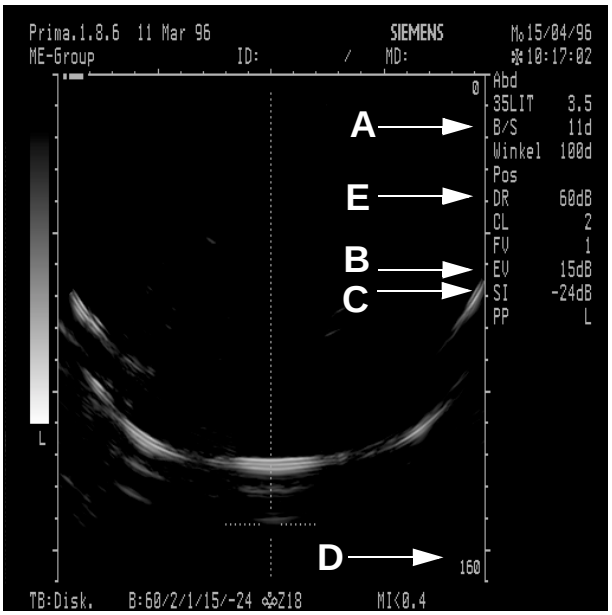


Fig. 3

Fig. 4

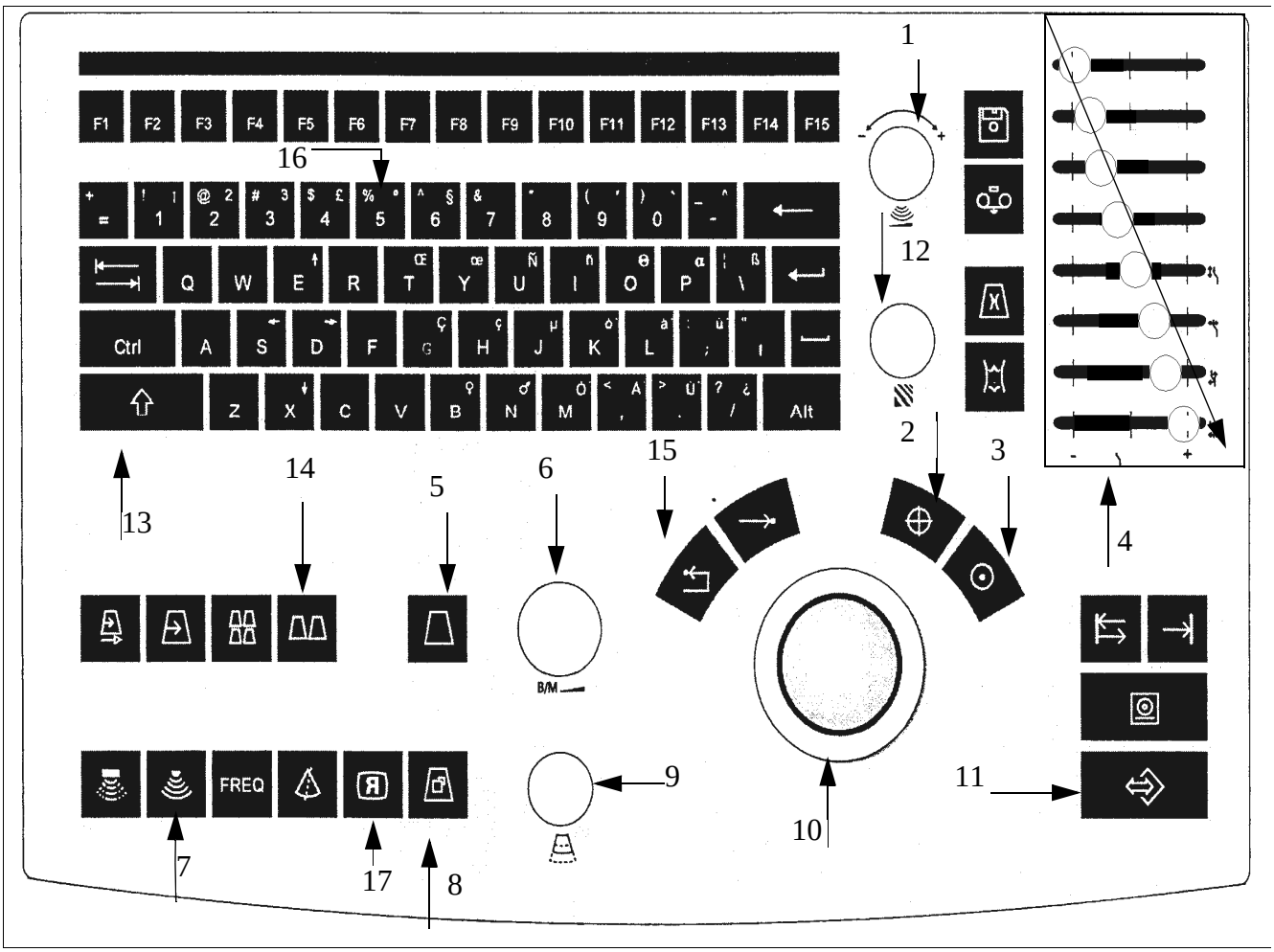


Fig. 5

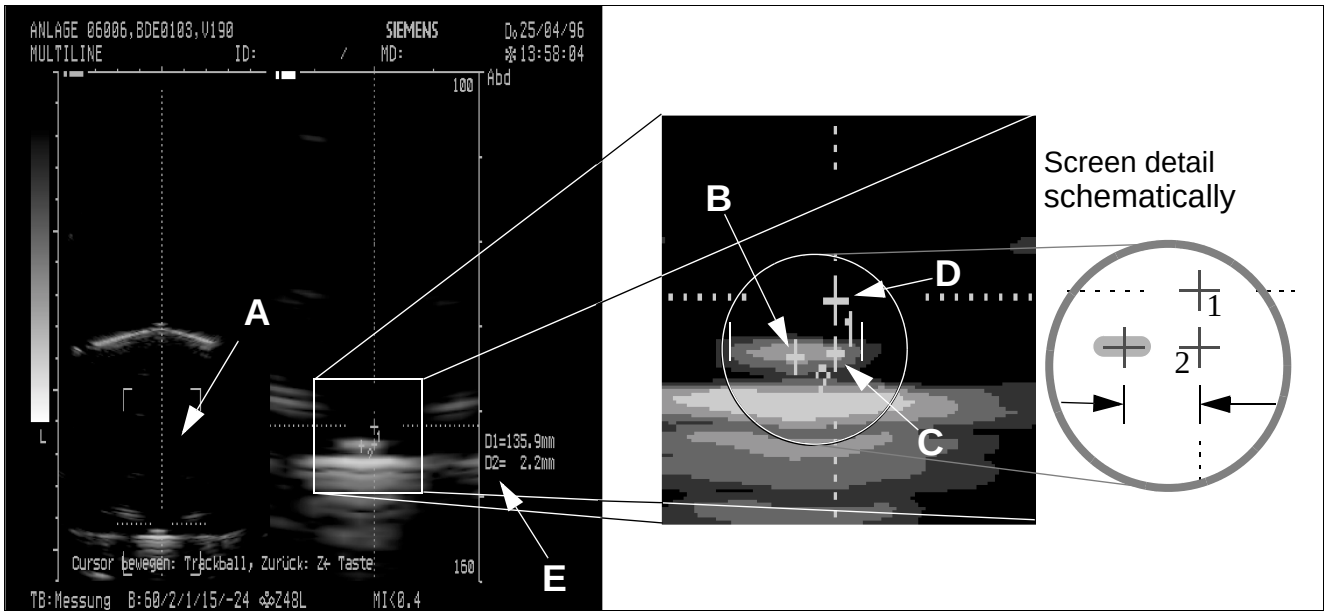

ANLAGE 06006,BDE0103,V190
SIEMENS
MULTILINE
ID:
MD:
Abd
D1=135.9mm
D2= 2.2mm
Cursor bewegen: Trackball, Zurück: Z+ Taste
TB:Messung B:60/2/1/15/-24
MI<0.4
A
B
C
D
E
Screen detail schematically
1
2

Fig. 6

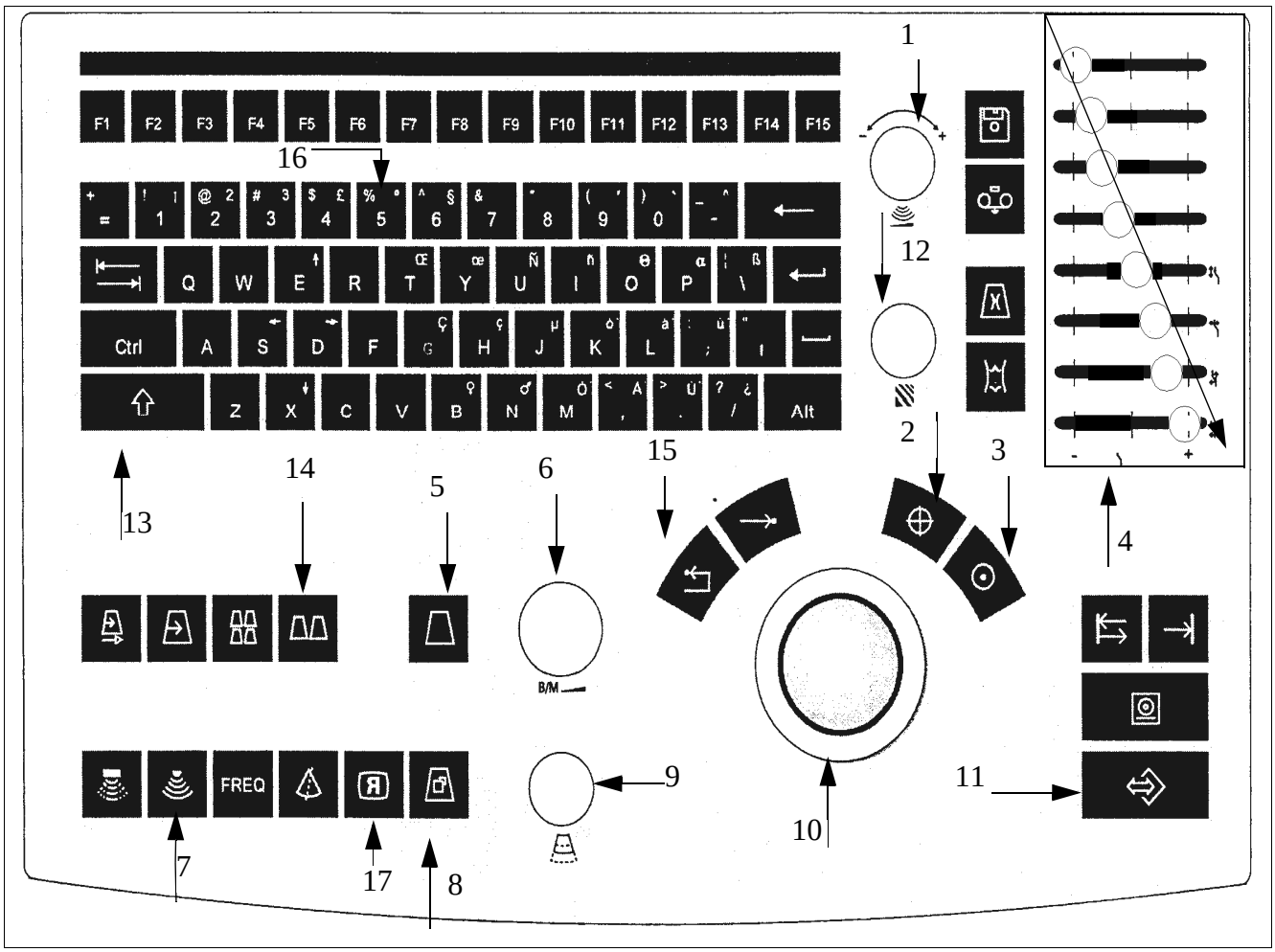

F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
F11
F12
F13
F14
F15
Ctrl
Alt
FREQ
B/M
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

Fig. 7

Checking the image tilt

- Prerequisite:
  - Cone rotation = 0° ± 0.5°.
  - Move the cone all the way back in the longitudinal direction (the "energy-minus" key and the "cone longitudinal back" key must both be actuated simultaneously).
  - The image reversal key (17/Fig. 7) must not be selected.
- Press keys (13/Fig. 7) and (14/Fig. 7) simultaneously.
- Press the key shown in (8/Fig. 7).
- Turn the knob (9/Fig. 7) until the zoom field reaches the minimum size.
- Position the zoom field over the isocenter with the cursor (10/Fig. 7) (A/Fig. 6).
- Press the key shown in (2/Fig. 7).
- Press the key shown in (3/Fig. 7).
- Move the cursor (10/Fig.7) until the value D1 is 136mm ± 0.5 (the cursor cross hairs must be in the center of the isocenter) (D/Fig. 6).
- Press the key shown in (3/Fig. 7).
- Move the "+2" cross hairs (measuring cross 2) with the cursor (10/Fig. 7) along the longitudinal axis of the target line in the isocenter (C/Fig. 6).
- Press the key shown in (2/Fig. 7).
- Move the "+2" cross hairs (measuring cross 2) with the cursor (10/Fig. 7) horizontally into the center of the white area (B/Fig. 6) of the isocenter phantom.
- If the center of the white area (B/Fig. 6) is not located in the isocenter (Acceptable deviation ± 0.5mm from the center).
  - Note the value of D2 (and initial):
    If the image of the sphere (B/Fig. 6) appears shifted to the left of the isocenter, the correction value must have a negative sign (right has a positive sign).
  - Press the key shown in (15/Fig. 7).
  - Press key " F4" (Fig. 7).
  - Press the key shown in (16/Fig. 7).
  - Select Lithostar with the cursor (10/Fig. 7).
  - Press the key shown in (2/Fig. 7).
  - Enter the password.
  - Select the following with the cursor (10/Fig. 7):

German:	Bildkippung	**French:**	Bascular
English:	Image Tilt	**Spanish:**	Inclinar imagen

  - Press the key shown in (2/Fig. 7).
  - Enter half of the value for D2 (E/Fig. 6).
    Example (B/Fig. 6): D2 = 3.0 mm ⇒ Enter -15 (In general, the value is between -17 and -13).
  - Press the key shown in (2/Fig. 7).
  - Press the key shown in (15/Fig. 7) twice.
  - Check the deviation. If the white area (B/Fig. 6) is not in the center of the isocenter, repeat the procedure.

- Press the key shown in (15/Fig. 9).
- Select the following with the cursor (10/Fig. 9) (A/Fig. 3) :

  German: B/S
  English: FPS
  French: IPS
  Spanish: CPS

- Press the key shown in (2/Fig. 9).
  FPS is now:
  - **19s ≙ 50 Hz / 20s ≙ 60 Hz**) with software 1.9.0
  - **29s ≙ 50 Hz / 30s ≙ 60 Hz**) with software 2.2.0
- Check the position of the white area (B/Fig. 6)
  - Proceed as described above if there is a deviation.
    The deviation of the white area must be averaged for

  German: B/S
  English: FPS
  French: IPS
  Spanish: CPS

	50 Hz	60 Hz		50 Hz	60 Hz
software 1.9.0	12d	11d	and	19s	20s
software 2.2.0	17d	18d	and	29s	30s

- Turn the probe (NBF US - US tableside control panel) over the entire movement range (+90° to -90°). The permitted spherical deviation from the center of the isocenter is ± 0.5 mm. Repeat the image tilt adjustment if the deviation is greater.
- Move the probe forward (NBF US - US tableside control panel). The "Energy minus" and "Cone longitudinal forward" keys must be pressed simultaneously (the target cross hairs move upward).
- The permitted spherical deviation from the center of the isocenter is ± 0.5 mm. Repeat the image tilt adjustment if the deviation is greater.

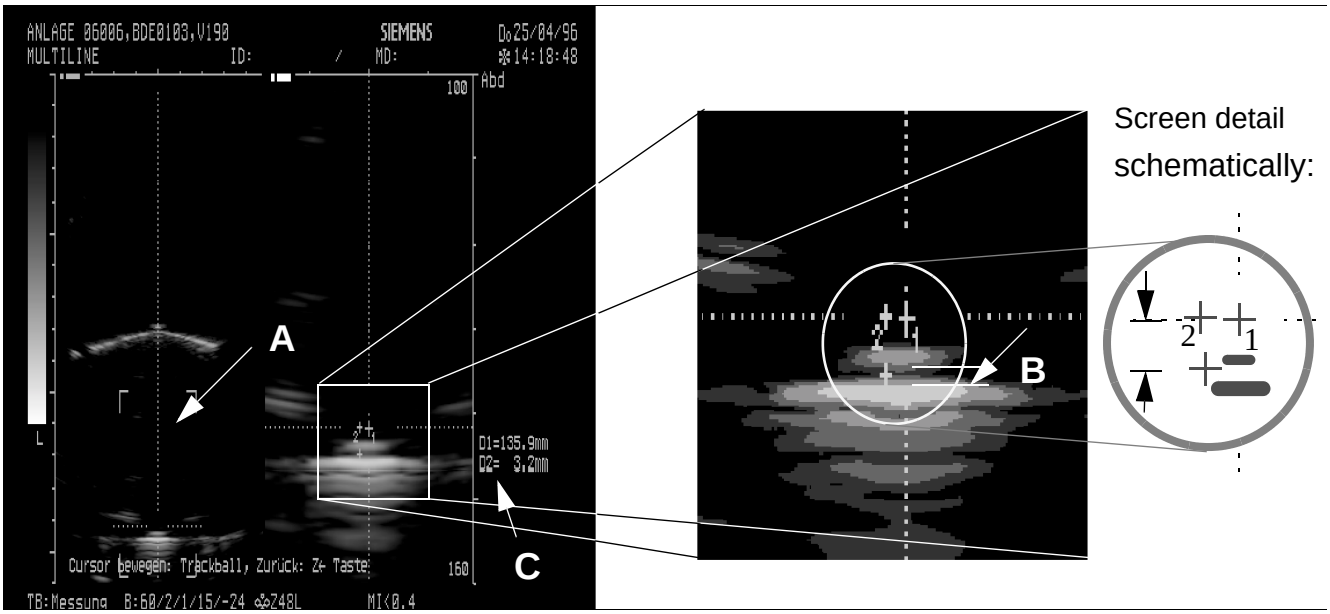
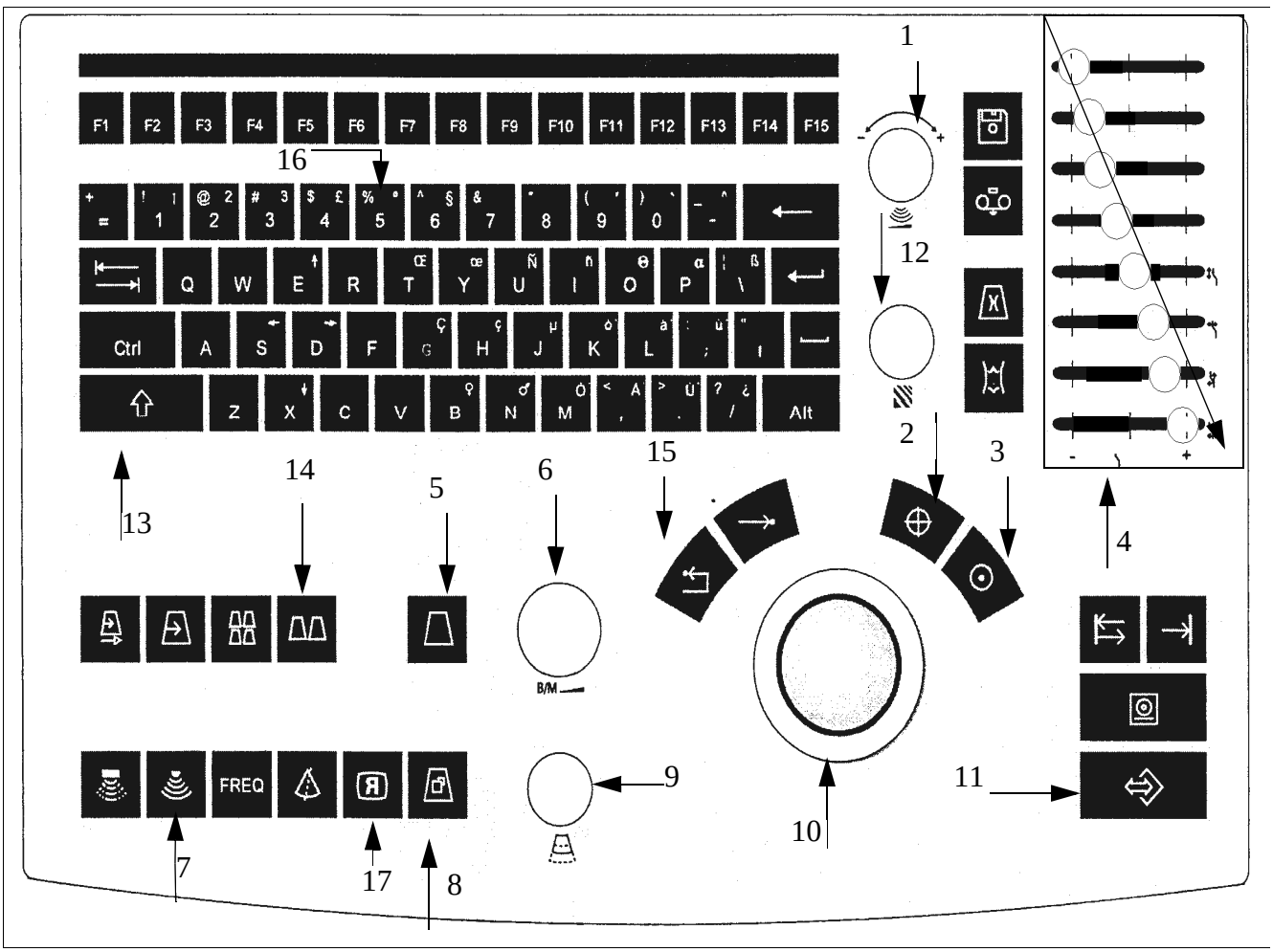

ANLAGE 06006,BDE0103,V190
SIEMENS
MULTILINE
ID:
MD:
D1=135.9mm
D2= 3.2mm
Cursor bewegen: Trackball, Zurück: Z- Taste
TB:Messung B:60/2/1/15/-24
MI<0.4
A
B
C
Screen detail
schematically:
1
2

Fig. 8


F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 F13 F14 F15
Ctrl
Alt
FREQ
B/M
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7
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16
17

Fig. 9

Checking the image depth

- Prerequisite:
  Cone rotation = 0°.
  Cone is moved back completely in the longitudinal direction.
  The value for

German:	B/S	**French:**	IPS
English:	FPS	**Spanish:**	CPS

	50 Hz	60 Hz		50 Hz	60 Hz
software 1.9.0:	12d	11d	and	19s	20s
software 2.2.0:	17d	18d	and	29s	30s

- Press the keys shown in (13/Fig. 9) and (14/Fig. 9) simultaneously.
- Press the key shown in (8/Fig. 9).
- Turn the knob (9/Fig. 9) until the zoom field reaches the minimum size.
- Position the zoom field over the isocenter using the cursor (10/Fig. 9) (A/Fig. 8).
- Press the key shown in (2/Fig. 9).
- Press the key shown in (3/Fig. 9).
- Move the cursor until the value D1 is 136mm $\pm$ 0.5 (the cursor cross hairs must now be in the center of the isocenter) (Fig. 8).
- Press the key shown in (3/Fig. 9).
- Move the "+2" cross hairs (measuring cross 2) with the cursor (10/Fig. 9) next to the cross "+1" (Fig. 8).
- Press the key shown in (2/Fig. 9).
- Move the "+2" cross hairs (measuring cross 2) with the cursor (10/Fig. 9) into the center of the sphere of the isocenter phantom (B/Fig. 8). The sphere is located between the two white areas.
  Acceptable deviation for value "D2" (C/Fig. 8):

  At water temperature of 37°C/ 97°F: D2 = 0 mm
  At water temperature of 20°C/ 68°F: D2 = + 3.5 mm

  When water temperatures are between 37°C / 97°F and 20°C / 68°F, the value for "D2" is between 0 and + 3.5 mm.
  Reason: The ultrasound speed depends on the water temperature, thus affecting the image.

NOTICE

If the deviation is greater, check the focus phantom.
Do not move the target with the service PC.

- Press the key shown in (5/Fig. 9).
- Remove the Sonoline probe and remove all gel residues from the probe.
- Remove the isocenter phantom.
- Remove any remaining polygel from the cone.

Ultrasound option Item No. 37 82 351 J1042

Name	Item No.	Brief remarks on replacement	Detailed Information Chap/page
US tableside control	37 82 864 J1042	Replace complete unit	n.a.
US probe	30 92 736 J1035	Install with adjustment tube; check isocenter; target; image tilt	3-1
US probe compartment	30 92 900 J1035	Check isocenter; target; image tilt	3-1
Rear box SONOLINE Adara	Refer to spare parts list		4-3
Additional transducer	Refer to spare parts list	Plug & Plug Test analog CDA probe	2-1
Cone cap	30 92 207 J1035	Refer to the service instructions for the shock wave system	n.a.

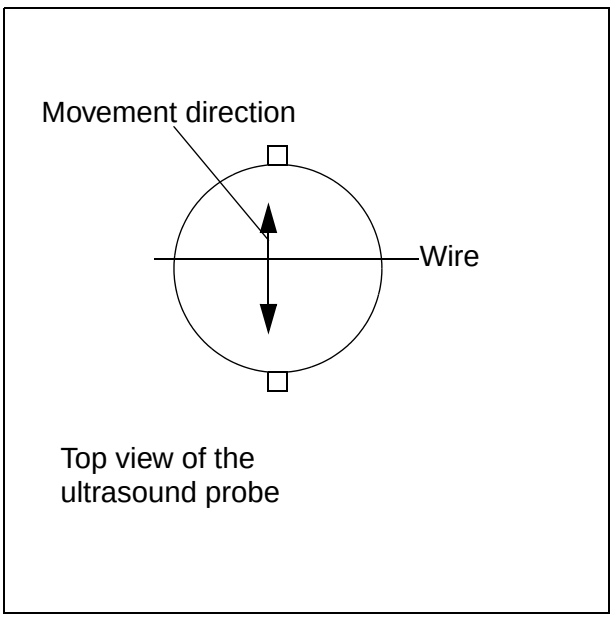


Fig. 1

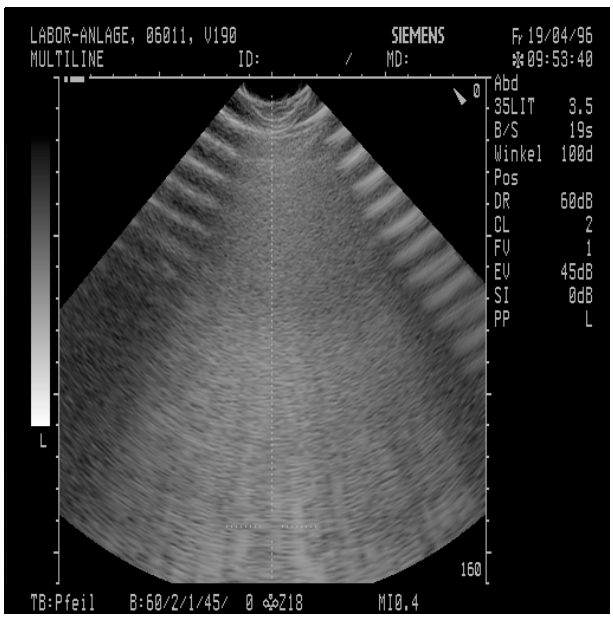


Fig. 2

Checking the CDA probe

- Apply some ultrasound gel to the CDA probe.
- Move an open paper clip or piece of wire over the probe in the cutplane (indicated by the two marks on the probe) (Fig. 1).
- A reflection (white shadow) must move over the ultrasound image (Fig. 2).

2 - 2 Adjusting the ultrasound image SONOLINE Adara

Preliminary steps

NOTICE	**The isocenter must be checked each time the ultrasound probe is replaced.**

- Move the shock wave head to the coupling position.
- Remove the ultrasound probe from the shock wave head.
- Fill the isocenter phantom with water, unless this has already been done.
- Couple the isocenter phantom to the shock wave head.

- With radiation ON, check whether the isocenter is positioned correctly.
  Proceed according to instructions RXL2-120.071.01... if there is a deviation.
- Apply some polygel to the ultrasound probe and insert it into the shock wave head.
- Select the ultrasound probe at the shock wave head (7/Fig. 5).
- Enter the following basic settings on the ultrasound unit:

Value	Setting with:	German	English	French	Spanish
- 24 dB (C/Fig. 3)	Set trackball (10/Fig. 5) to SI (white background), then actuate (2/Fig. 5) ▭ and set value with control (1/Fig. 5) ▭	SI	Output	Sortie	Salida
15 dB (B/Fig. 3)	Knob B ▭ (6/Fig. 5)	EV	Gain	Gain	Ampl
18d (A/Fig. 3)	Set cursor (10/Fig. 5) to FPS (FPS has a white background) and then press (2/Fig. 5) ▭ and set value with control (1/Fig. 5) ▭	B/S	FPS	IPS	CPS
160 (D/Fig. 3)	Knob ▭	-------	-------	-------	-------
60 dB (E/Fig. 3)	Set trackball (10/Fig. 5) to DR (white background), then actuate (2/Fig. 5) ▭ and set value with control (1/Fig. 8) ▭	DR	Dyn Rng	DR	Cam Din

- Move the slide controller as indicated by the arrow (4/Fig. 5).
- Move the ultrasound probe back completely. (In this case, the "energy minus" key and the "cone longitudinal back" key must be activated simultaneously.)
- Set TR = 0° ± 0.5°.

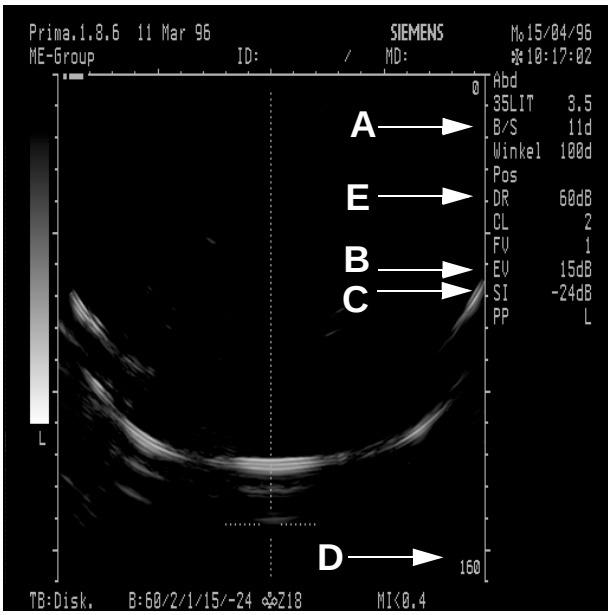


Fig. 3

Fig. 4

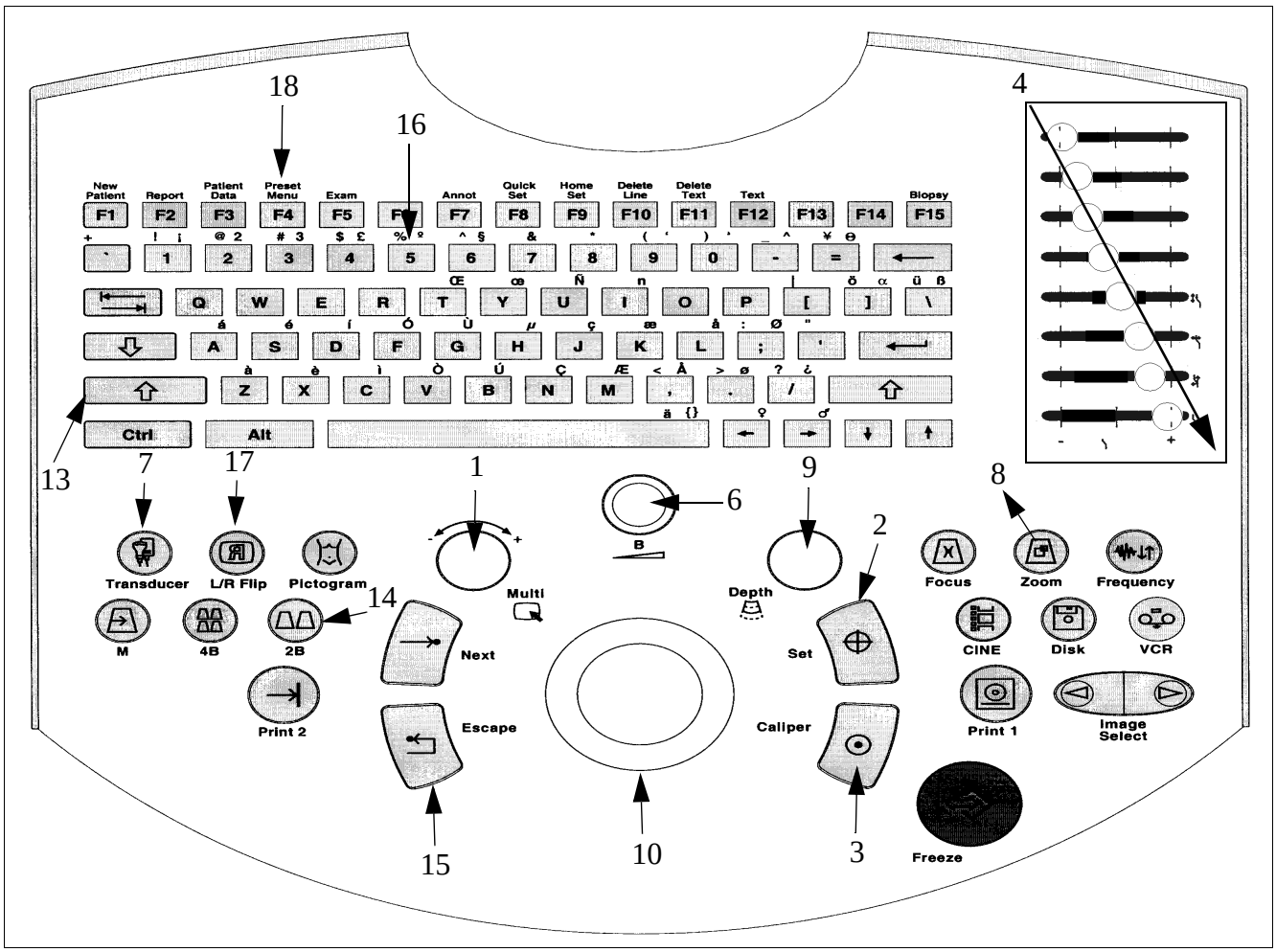


Fig. 5

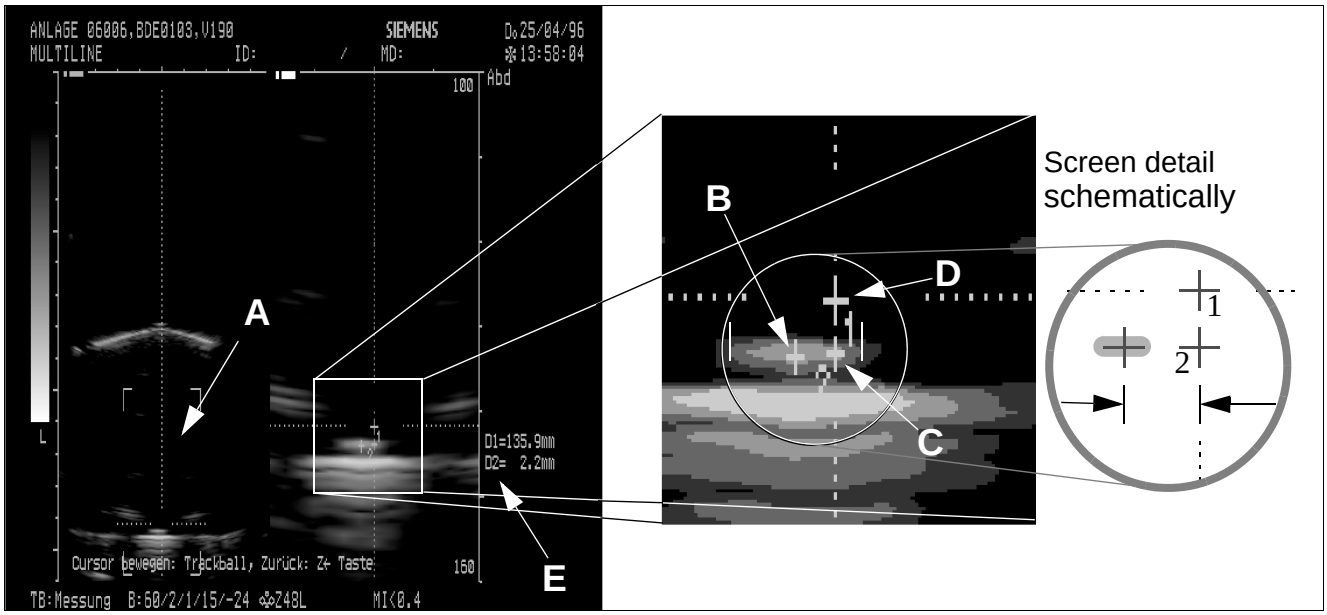
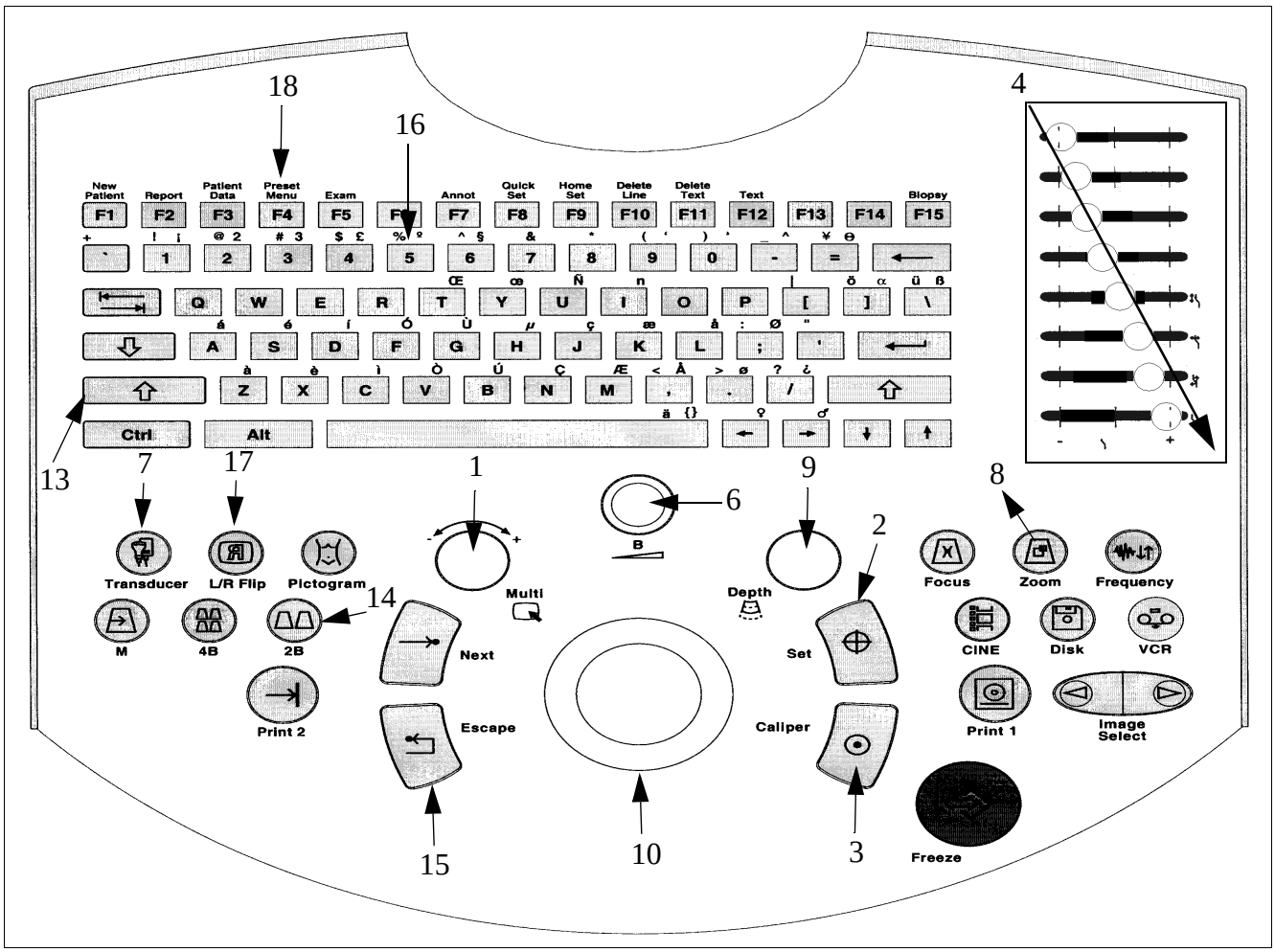

ANLAGE 06006,BDE0103,V190
SIEMENS
MULTILINE
ID:
MD:
Abd
100
D1=135.9mm
D2= 2.2mm
Cursor bewegen: Trackball, Zurück: Z+ Taste
160
TB:Messung B:60/2/1/15/-24
MI<0.4
A
B
C
D
E
Screen detail schematically
1
2

Fig. 6


18
16
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Transducer
L/R Flip
Pictogram
Multi
B
Depth
Focus
Zoom
Frequency
M
4B
2B
Next
Set
CINE
Disk
VCR
Print 2
Escape
Caliper
Print 1
Image Select
Freeze

Fig. 7

Checking the target

- Select the cross hairs, unless already selected (2/Fig. 7). Refer to Chapter 5 if this is not possible.
- Press the key shown in (3/Fig. 7) and the key shown in (2/Fig. 7).
- Move to the center of the cross hairs using the cursor (10/Fig. 7).
  A value of 136 ± 0.5 mm must appear in the display (F/Fig. 4).
- Correct the value according to the instructions "Setting software parameters " RXL2-120.032. ..... if necessary.

Checking the image tilt

- Prerequisite:
  - Cone rotation = 0° ± 0.5°.
  - Move the cone all the way back in the longitudinal direction (the "energy-minus" key and the "cone longitudinal back" key must both be actuated simultaneously).
  - The image reversal key (17/Fig. 7) must not be selected.
- Press keys (13/Fig. 7) and (14/Fig. 7) simultaneously.
- Press the key shown in (8/Fig. 7).
- Turn the knob (9/Fig. 7) until the zoom field reaches the minimum size.
- Position the zoom field over the isocenter with the cursor (10/Fig. 7) (A/Fig. 6).
- Press the key shown in (2/Fig. 7).
- Press the key shown in (3/Fig. 7).
- Move the cursor (10/Fig.7) until the value D1 is 136mm ± 0.5 (the cursor cross hairs must be in the center of the isocenter) (D/Fig. 6).
- Press the key shown in (3/Fig. 7).
- Move the "+2" cross hairs (measuring cross 2) with the cursor (10/Fig. 7) along the longitudinal axis of the target line in the isocenter (C/Fig. 6).
- Press the key shown in (2/Fig. 7).
- Move the "+2" cross hairs (measuring cross 2) with the cursor (10/Fig. 7) horizontally into the center of the white area (B/Fig. 6) of the isocenter phantom.
- If the center of the white area (B/Fig. 6) is not located in the isocenter (Acceptable deviation ± 0.5mm from the center).
  - Note the value of D2 (and initial):
    If the image of the sphere (B/Fig. 6) appears shifted to the left of the isocenter, the correction value must have a negative sign (right has a positive sign).
  - Press the key shown in (15/Fig. 7).
  - Press key " F4" (18/Fig. 7).
  - Press the key shown in (16/Fig. 7).
  - Select Lithostar with the cursor (10/Fig. 7).
  - Press the key shown in (2/Fig. 7).
  - Enter the password.

- Select the following with the cursor (10/Fig. 7):

German:	Bildkippung	**French:**	Bascular
English:	Image Tilt	**Spanish:**	Inclinar imagen

- Press the key shown in (2/Fig. 9).
- Enter half of the value for D2 (E/Fig. 6).
  Example (B/Fig. 6): D2 = 3.0 mm ⇒ Enter -15 (In general, the value is between -17 and -13).
- Press the key shown in (2/Fig. 9).
- Press the key shown in (15/Fig. 7) twice.
- Check the deviation. If the white area (B/Fig. 6) is not in the center of the isocenter, repeat the procedure.

- Press the key shown in (15/Fig. 9).
- Select the following with the cursor (10/Fig. 9) (A/Fig. 3) :

German:	B/S
English:	FPS
French:	IPS
Spanish:	CPS

- Press the key shown in (2/Fig. 9).
  FPS is now:

30s

- Check the position of the white area (B/Fig. 6)
  - Proceed as described above if there is a deviation.
    The deviation of the white area must be averaged for

German:	B/S
English:	FPS
French:	IPS
Spanish:	CPS

18d and 30s

- Turn the probe (NBF US - US tableside control panel) over the entire movement range (+90° to -90°). The permitted spherical deviation from the center of the isocenter is $\pm$ 0.5 mm. Repeat the image tilt adjustment if the deviation is greater.
- Move the probe forward (NBF US - US tableside control panel). The "Energy minus" and "Cone longitudinal forward" keys must be pressed simultaneously (the target cross hairs move upward).
- The permitted spherical deviation from the center of the isocenter is $\pm$ 0.5 mm. Repeat the image tilt adjustment if the deviation is greater.

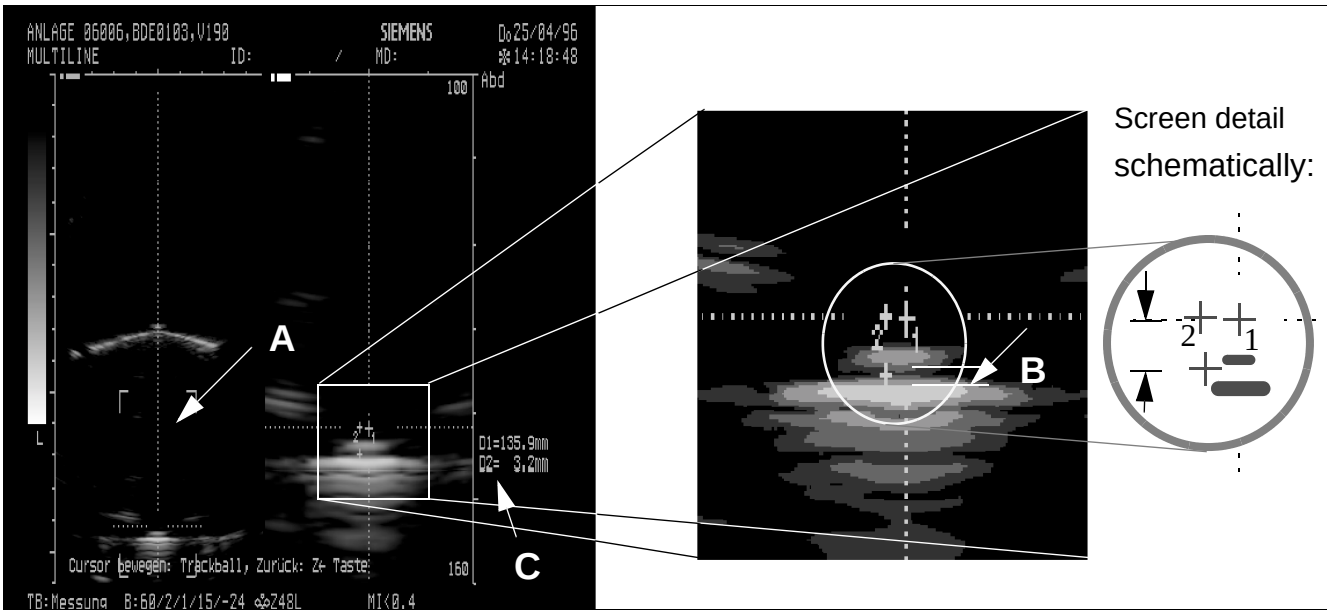
ANLAGE 06006,BDE0103,V190
SIEMENS
MULTILINE
ID:
MD:
Abd
A
B
C
D1=135.9mm
D2= 3.2mm
Cursor bewegen: Trackball, Zurück: Z- Taste
TB:Messung B:60/2/1/15/-24 ◇248L MI<0.4
Screen detail schematically:
2
1

Fig. 8

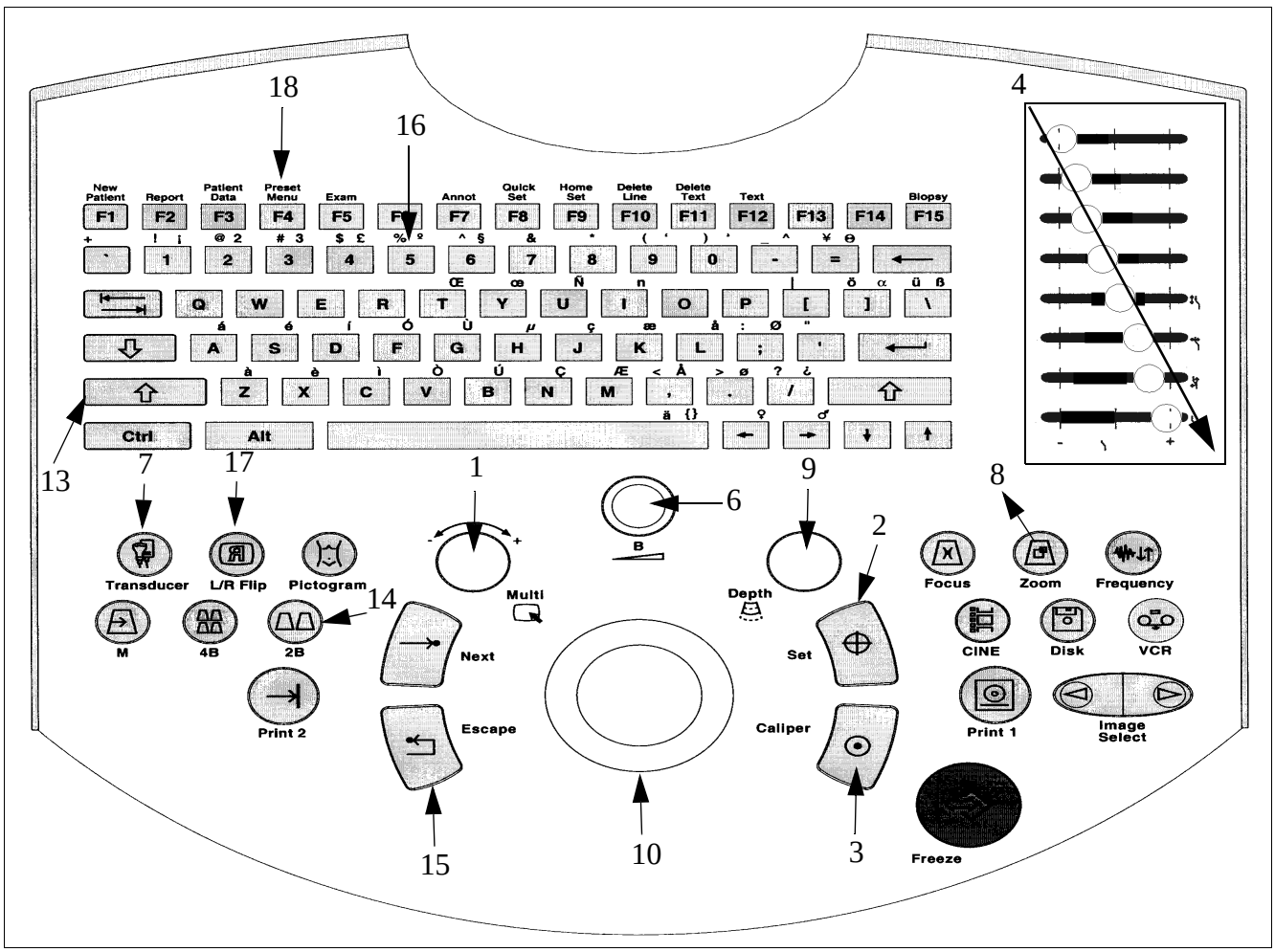
18
16
4
13
7
17
1
6
9
8
2
14
15
10
3
Transducer
L/R Flip
Pictogram
Multi
B
Depth
Focus
Zoom
Frequency
M
4B
2B
Next
Set
CINE
Disk
VCR
Print 2
Escape
Caliper
Print 1
Image Select
Freeze

Fig. 9

Checking the image depth

- Prerequisite:
  Cone rotation = 0°.
  Cone is moved back completely in the longitudinal direction.
  The value for

German:	B/S	**French:**	IPS
English:	FPS	**Spanish:**	CPS

- Press the keys shown in (13/Fig. 9) and (14/Fig. 9) simultaneously.
- Press the key shown in (8/Fig. 9).
- Turn the knob (9/Fig. 9) until the zoom field reaches the minimum size.
- Position the zoom field over the isocenter using the cursor (10/Fig. 9) (A/Fig. 8).
- Press the key shown in (2/Fig. 9).
- Press the key shown in (3/Fig. 9).
- Move the cursor until the value D1 is 136mm $\pm$ 0.5 (the cursor cross hairs must now be in the center of the isocenter) (Fig. 8).
- Press the key shown in (3/Fig. 9).
- Move the "+2" cross hairs (measuring cross 2) with the cursor (10/Fig. 9) next to the cross "+1" (Fig. 8).
- Press the key shown in (2/Fig. 9).

Move the "+2" cross hairs (measuring cross 2) with the cursor (10/Fig. 9) into the center of the sphere of the isocenter phantom (B/Fig. 8). The sphere is located between the two white areas.
Acceptable deviation for value "D2" (C/Fig. 8):

At water temperature of 37°C/ 97°F:	D2 = 0 mm
At water temperature of 20°C/ 68°F:	D2 = + 3.5 mm

When water temperatures are between 37°C / 97°F and 20°C / 68°F, the value for "D2" is between 0 and + 3.5 mm.
Reason: The ultrasound speed depends on the water temperature, thus affecting the image.

⚠CAUTION **If the deviation is greater, check the focus phantom.**
Do not move the target with the service PC.

- Press the key shown in (5/Fig. 9).
- Remove the Sonoline probe and remove all gel residues from the probe.
- Remove the isocenter phantom.
- Remove any remaining polygel from the cone.

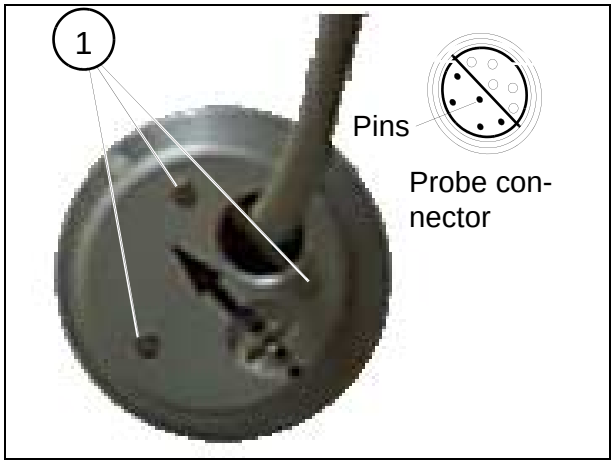

Fig. 1

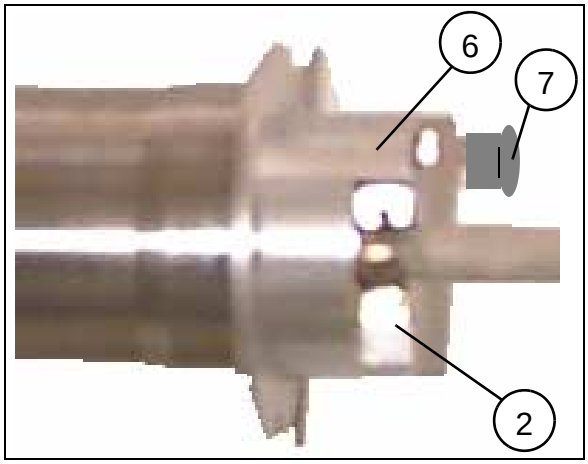

Fig. 2

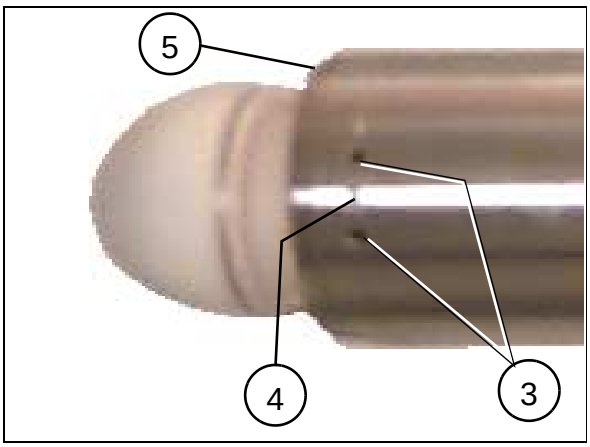

Fig. 3

- Remove the three screws (1/Fig. 1) from the back cover.
- Remove the cover (6/Fig. 2).
- Do not remove the locking button (7/Fig. 2). (The screw is secured with Loctite.) The locking button can be moved by turning and pushing it through the opening in the cover.
- Remove the strain relief (2/Fig. 2).
- Remove the two Allen screws (1.5 mm key) (3/Fig. 3).
- Remove the probe through the front.
- When replacing the probe only:
  - Remove the rubber ring from the old probe (5/Fig. 3).
  - Fit the rubber ring over the new probe.
- Push the cable for the probe through the opening of the holder.
- Ensure that the pin (4/Fig. 3) engages in the central guide groove when introducing the probe.

Fig. 4

Fig. 5

- Push the probe into the holder until the Allen screws engage in the corresponding grooves.
- Push the probe in so that the Allen screws engage in the guide grooves.
- Insert the probe into the adjustment tube (Fig. 4) and carefully place it on a flat surface (Fig. 5).
- Adjust the probe so that the surface of the head makes contact with the flat surface (Fig. 5).
- Tighten the two Allen screws (3/Fig. 3).
- Insert sealing rubber in the tube.
- Reattach the grommet (2/Fig. 2) ensuring that the plug is in the correct position (Turn the cable in the grommet until the plug is positioned as indicated in Fig.1).
- Reattach the cover (6/Fig. 2).
- Plug the probe cable into the Multiline.
- Check the centering (refer to Chapter 1) and correct if needed.
- Return the adjustment tube together with the defective probe or holder.
- When replacing the probe only:
- Erase the "us probe" shot counter.
  (Located in : Interface: Shock wave system Parameter Group)
  Refer also to the Software parameters/Monitoring instructions RXL2-120.032.02...
- Enter the shot count in the operating log.

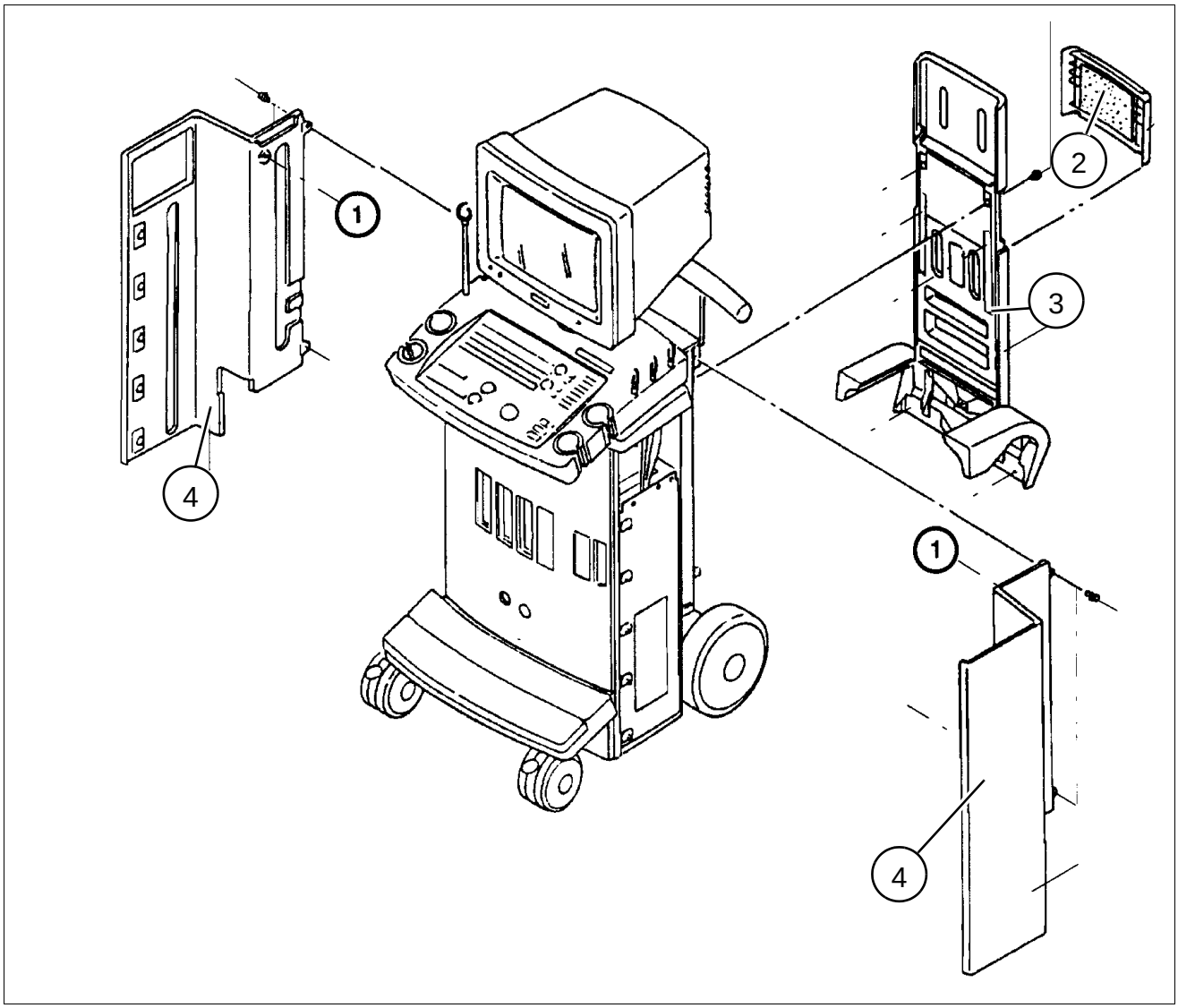

Fig. 1

Rear Box SONOLINE Prima

Tools required

- Philips screwdriver (size 4).
- Short Philips screwdriver (size 4), overall length ≤ 150 mm. Necessary for removing the screws at location (1/Fig. 1).

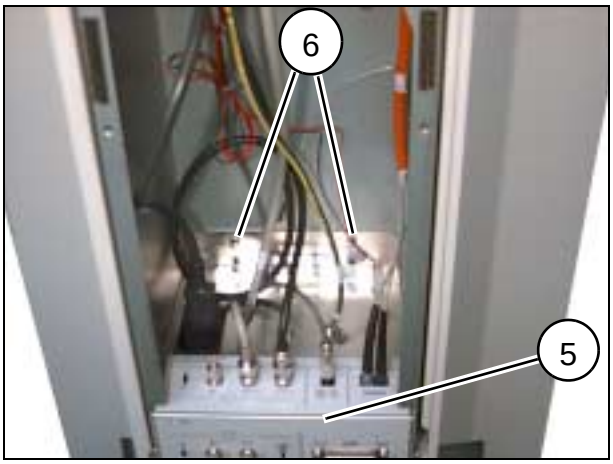

Fig. 2

Procedure

- Actuate the parking brakes on the Sonoline.
- Remove the cover (2/Fig. 1).
- Remove the screws from the cover (3/Fig. 1):
  4 screws near the cover (2/Fig.1).
  2 screws close to the wheels.
- Remove the cover:
  First pull it up carefully, then pull it down.
- Loosen the side covers (4/Fig. 1):
  Remove 3 screws from each side; the screws shown in (1/Fig. 1) must be removed from inside the unit.
- Remove the side cover, ensuring that pressure is applied evenly.
- Disconnect all cables from the rear box (5/Fig. 2).
- Remove the screws from the rear box (6/Fig. 2).
- Remove the rear box.
- Install the new rear box.
- Reconnect all cables.
- Reattach the covers.
- Ensure that the system is functioning properly.

Selecting the LITHOSTAR Multiline center cross on the SONOLINE Prima

If you cannot select the LITHOSTAR Multiline center cross on the SONOLINE, LITHOSTAR mode has probably not been activated.

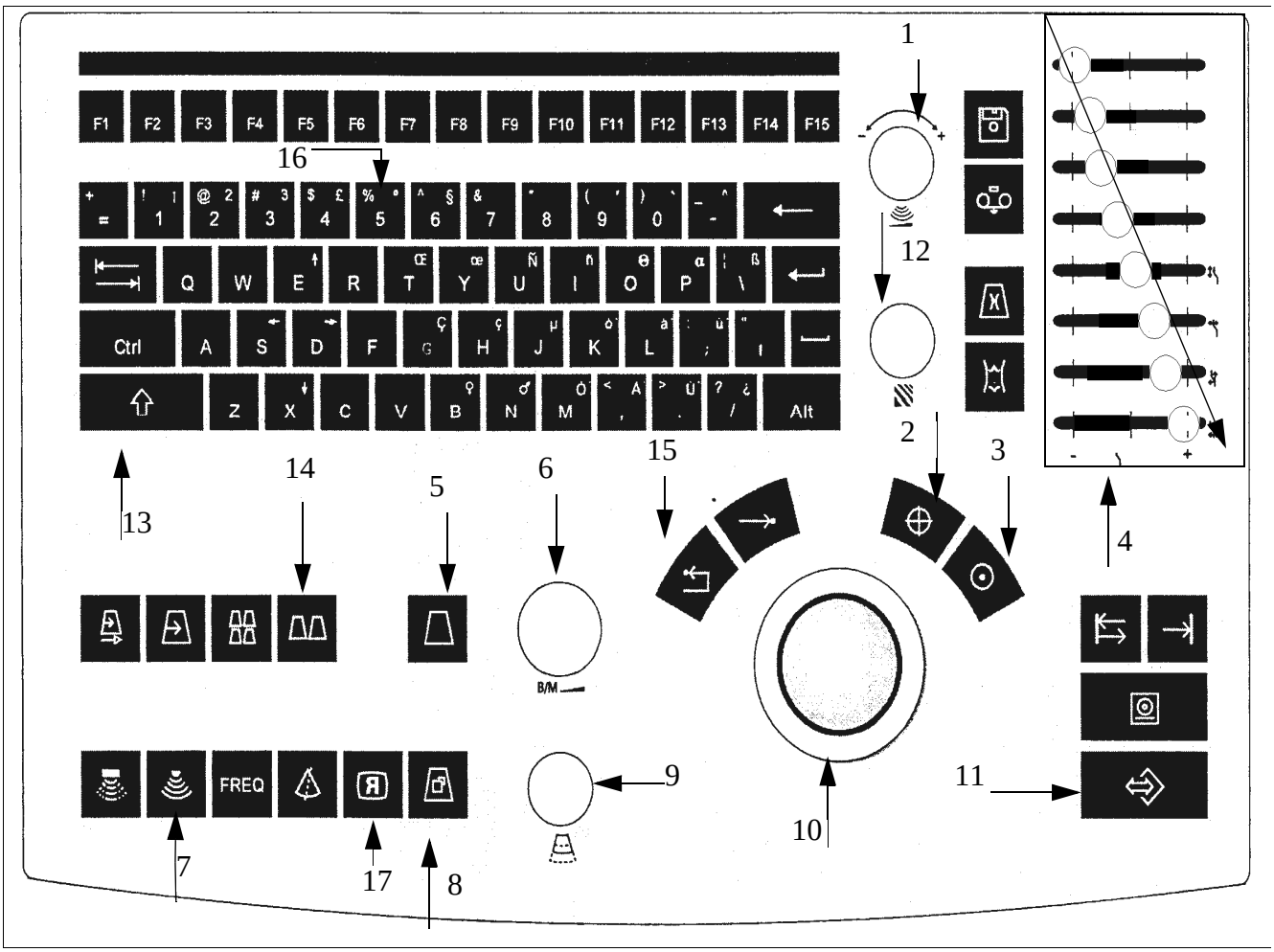

Fig. 1

Activating LITHOSTAR mode on the SONOLINE Prima

- Press the "F4" key shown in (Fig. 1).
- Press the key shown in (16/Fig. 1).
- Select LITHOSTAR mode using the cursor (10/Fig. 1).
- Press the key shown in (2/Fig. 1).
- Enter the password.
- Select LITHOSTAR mode using the cursor (10/Fig. 1).
- Press the key shown in (2/Fig. 1).
- Activate LITHOSTAR mode using the cursor (10/Fig. 1).
- Press the key shown in (2/Fig.1).
- Press the key shown in (15/Fig.1) twice.

Selecting the LITHOSTAR Multiline center cross on the SONOLINE Adara

If you cannot select the LITHOSTAR Multiline center cross on the SONOLINE, LITHOSTAR mode has probably not been activated.

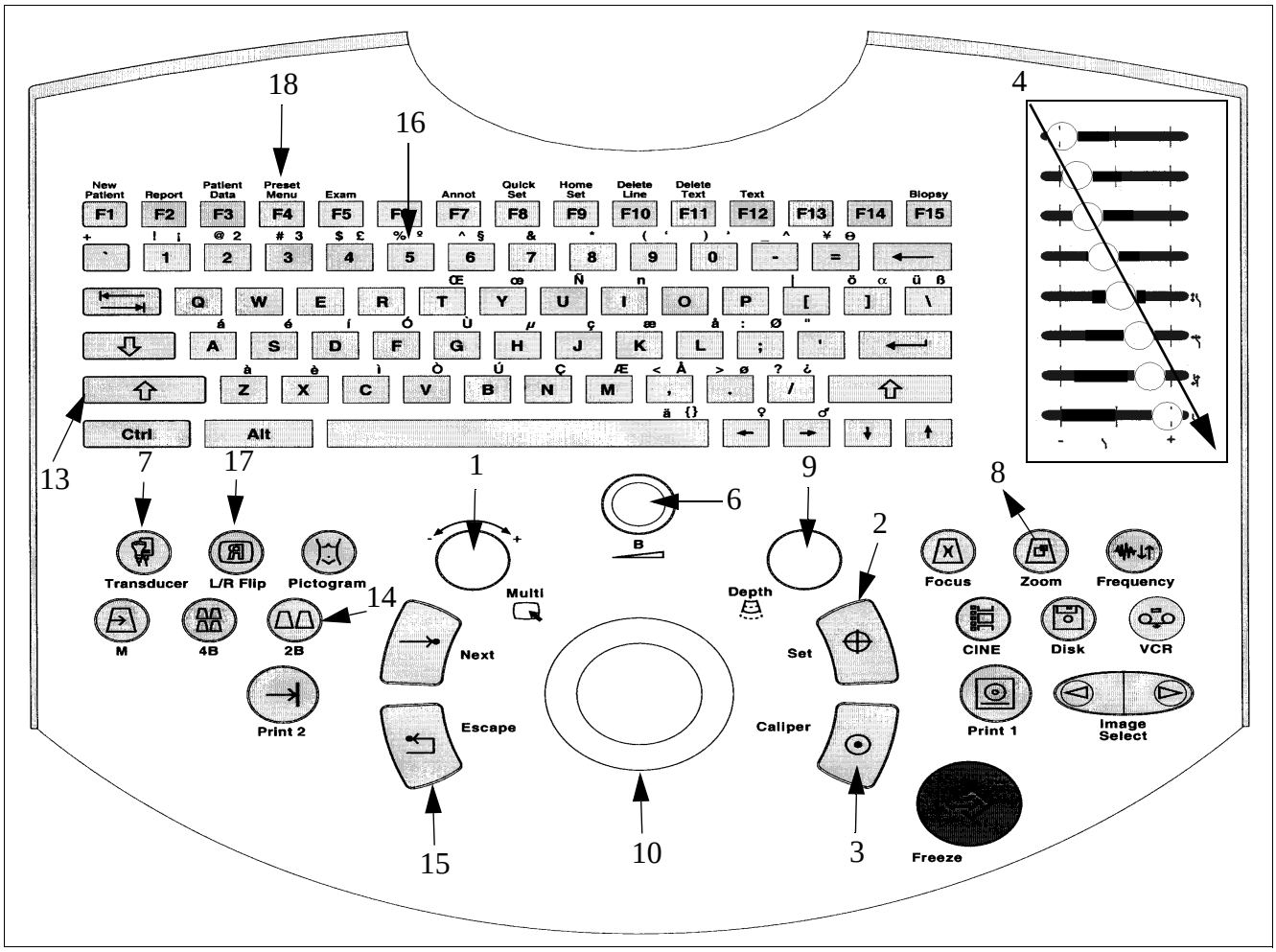

Fig. 2

Activating LITHOSTAR mode on the SONOLINE Adara

- Press the "F4" key shown in (Fig. 1).
- Press the key shown in (16/Fig. 1).
- Select LITHOSTAR mode using the cursor (10/Fig. 1).
- Press the key shown in (2/Fig. 1).
- Enter the password (refer to Speedinfo RX Folder PASSWORDLIST).
- Select LITHOSTAR mode using the cursor (10/Fig. 1).
- Press the key shown in (2/Fig. 1).
- Activate LITHOSTAR mode using the cursor (10/Fig. 1).
- Press the key shown in (2/Fig.1).
- Press the key shown in (15/Fig. 1) twice.

Changes to previous version 6 - 1

Chap.0	Cover page, revision level, table of contents new revised
Chap. 1 - Chap. 5	New revised

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